

LIST OF PHD RESEARCH TOPICS AND SUPERVISORS FOR THE FIELD OF **BIOLOGY** IN THE AREA  
OF NATURAL SCIENCES FOR THE YEAR 2026

No.	Department	Research topic	Supervisor	Consultant
1	Faculty of Animal Sciences Institute of Biological Systems and Genetic Research	In Vitro Evaluation of Gene Expression in Inflammatory Pathways of Laryngeal Squamous Cell Carcinoma Using Anti-Inflammatory Proanthocyanidin Fractions	Prof. Dr. A. Smalinskienė	Prof. Dr. V. Liutkevičius prof. dr. L. Raudonė
2	Institute of Cardiology Molecular Cardiology Laboratory	Application of Targeted Medicine in the Clinical Practice of Hospital X: The Relationship with the Effectiveness and Safety of Pharmacological Treatment in Elderly Patients with Heart Failure	Assoc. Prof. Dr. V. Tatarūnas	Prof. Habil. Dr. V. Lesauskaitė
3	Institute of Cardiology Preclinical Research Laboratory for Medicinal Products	The Role of Mitochondrial-Sarcoplasmic Reticulum Contact Sites in Pathological Cardiac Remodeling	Prof. Dr. E. Stankevičius	Assoc. Prof. Dr. D. Lim (University of Eastern Piedmont Amedeo Avogadro)
4	Institute of Cardiology Laboratory of Drug Targets Histopathology	Stimuli-Sensitive Targeted Nanosystems for Drug Delivery to Hypoxic and Inflamed Myocardial Tissue	Prof. Dr. V. Petrikaitė	
5	Neuroscience Institute Laboratory of Molecular Neurooncology	Comprehensive Evaluation of Epitranscriptomic Changes in Nuclear and Mitochondrial RNA in Cancer Stem Cells and Brain Tumors in the Search for Disease Progression Markers	Dr. D. Skiriutė	
6	Neuroscience Institute Laboratory of Toxicology	Role of Metals/Metalloids, and Molecular Markers in Alzheimer's Disease Etiopathogenesis	Dr. R. Naginienė	Dr. P. Vaitkienė
7	Institute for Digestive Research Clinical and Molecular Gastroenterology Laboratory	Investigation of Immune System Changes after Microbiota Transplantation in Recurrent <i>Clostridioides Difficile</i> Infection	Prof. Dr. J. Kupčinskas	Dr. H. Elabd (University of Kiel)
8	Institute for Digestive Research Clinical and Molecular Gastroenterology Laboratory	The Impact of Bacterial Metabolites on Intestinal Inflammation, Epithelial Barrier Function, and Microbiota – Host Interactions	Prof. Dr. J. Skiecevičienė	Prof. Dr. L. V. Jonaitis
9	Institute for Digestive Research Surgical Gastroenterology Laboratory	Post-Transcriptional Changes in Immune Response Signaling Pathways in Ovarian Cancer Following Cytoreductive Surgery and Hyperthermic Intraperitoneal Chemotherapy	Dr. A. Jasukaitienė	Assoc. Prof. Dr. A. Sukovas
10	Faculty of Pharmacy Institute of Pharmaceutical Technologies	Pharmacological targets and mechanism of action of miRNAs from extracellular vesicles of lemon balm in cell models of mitochondria-dependent inflammation	Dr. A. Jekabsone	